



503.36984X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: I. HIYAMA et al.  
Serial No.: 09/270,780  
Filed: March 17, 1999  
For: LIQUID CRYSTAL DISPLAY DEVICE  
Art Unit: 2871  
Examiner: Z. Qi

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Reng  
12/02/02

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

November 26, 2002

Sir:

An amendment was filed on October 24, 2002, in the above-identified application in response to the non-final Office Action of May 24, 2002, which replaced the incomplete final Office Action of April 16, 2002, and restarted the period for response. The applicants had not received an Office communication responding to the amendment of October 24, 2002, as of the filing date of this Information Disclosure Statement, such that, as far as could be determined, this Information Disclosure Statement is being submitted on or before the mailing date of a final Office Action, a Notice of Allowance, or an action that otherwise closes prosecution in the application pursuant to 37 CFR 1.97(c).

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Pursuant to 37 CFR 1.97(c) and 1.98, attached hereto are copies of U.S. Patent Nos. 5,235,443, 5,555,114, and 5,721,603 and PCT reference 95/27919, and two forms PTO-1449 listing these four references.

Also listed on the attached forms PTO-1449 are the following ten references which were cited in the Information Disclosure Statement of May 5, 1999:

U.S. Patent Nos. 2,378,252 and 5,486,949

Japanese references 3-45906, 6-130424, 6-167718, 6-324333, and 7-36032

PCT reference 95/01584

M. Weber, "Retroreflecting Sheet Polarizer", Society for Information Display International Symposium Digest of Technical Papers, Volume XXIII (SID 92 Digest), Hynes Convention Center, Boston, MA, May 17-22, 1992, pp. 427-429.

D. Broer et al., "Reflective Cholesteric Polariser Improving the Light Yield of Back-and Side-Lighted Flat Panel Liquid Crystal Displays", Proceedings of the Fifteenth International Display Research Conference (Asia Display '95), ACT CITY Hamamatsu, Hamamatsu, Japan, October 16-18, 1995, pp. 735-738.

Also attached hereto are copies of English abstracts of Japanese references 3-45906, 6-130424, 6-167718, 6-324333, and 7-36032 listed above.

A copy of the PTO-1449 from the Information Disclosure Statement of May 5, 1999, listing the ten references listed above which were cited in the Information Disclosure Statement of May 5, 1999, signed by the Examiner as having been considered on July 18, 2001, was attached to the Office Action of

October 25, 2001, but the Examiner did not place his initials by each of the ten references to indicate that they have been considered.

Also, PCT reference 95/01584 was incorrectly listed as a U.S. patent document rather than a foreign patent document on the form PTO-1449 from the Information Disclosure Statement of May 5, 1999, and the listings of the Weber and Broer et al. publications on the form PTO-1449 from the Information Disclosure Statement of May 5, 1999, do not provide complete citations of these two publications.

Accordingly, the ten references which were cited in the Information Disclosure Statement of May 5, 1999, have been listed on the forms PTO-1449 attached hereto.

U.S. Patent No. 2,378,252 is cited on page 2 of the substitute specification submitted with the preliminary amendment of June 22, 1999.

U.S. Patent No. 5,486,949 is cited on page 21 of the substitute specification.

Japanese reference 3-45906 is cited on pages 4, 5, and 55 of the substitute specification.

Japanese reference 6-130424 is cited on pages 3 and 6 of the substitute specification.

Japanese reference 6-167718 is cited on pages 3 and 6 of the substitute specification.

Japanese reference 6-324333 is cited on page 55 of the substitute specification.

Japanese reference 7-36032 is cited on pages 4, 5, and 21 of the substitute specification.

PCT reference 95/01584 is a publication of PCT international application No. PCT/US94/07369 which is cited on pages 2 and 4 of the substitute specification.

PCT reference 95/27919 is cite on page 59 of the substitute specification.

The Weber publication is cited on page 21 of the substitute specification.

The Broer et al. publication is cited on pages 21 and 24 of the substitute specification.

U.S. Patent No. 5,235,443 is a U.S. counterpart of Japanese reference 3-45906.

U.S. Patent No. 5,555,114 is a U.S. counterpart of Japanese reference 6-167718.

U.S. Patent No. 5,721,603 is a U.S. counterpart of Japanese reference 6-324333.

Japanese references 3-45906, 6-130424, 6-167718, 6-324333, and 7-36032 are not in the English language.

The concise explanation of the relevance of Japanese reference 3-45906 required by 37 CFR 1.98(a)(3)(i) is provided by the English abstract of this reference; by U.S. Patent No. 5,235,443 which is a U.S. counterpart of this reference; and by the discussion of this reference in the specification as permitted by the last sentence of 37 CFR 1.98(a)(3)(i).

The concise explanation of the relevance of Japanese references 6-130424 and 7-36032 required by 37 CFR 1.98(a)(3)(i) is provided by the English abstracts of these references, and by the discussion of these references in the specification as permitted by the last sentence of 37 CFR 1.98(a)(3)(i).

The concise explanation of the relevance of Japanese reference 6-167718 required by 37 CFR 1.98(a)(3)(i) is provided by the English abstract of this reference; by U.S. Patent No. 5,555,114 which is a U.S. counterpart of this reference; and by the discussion of this reference in the specification as permitted by the last sentence of 37 CFR 1.98(a)(3)(i).

The concise explanation of the relevance of Japanese reference 6-324333 required by 37 CFR 1.98(a)(3)(i) is provided by the English abstract of this reference; by U.S. Patent No. 5,721,603 which is a U.S. counterpart of this reference; and by the discussion of this reference in the specification as permitted by the last sentence of 37 CFR 1.98(a)(3)(i).

Pursuant to 37 CFR 1.97(c), as far as could be determined, this Information Disclosure Statement is being submitted on or before the mailing date of a final Office Action, a Notice of Allowance, or an action that otherwise closes prosecution in the application.

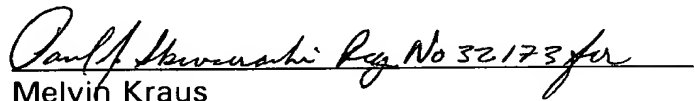
Pursuant to 37 CFR 1.97(c)(2), submitted herewith is a credit card payment form in payment of the fee of \$180.00 set forth in 37 CFR 1.17(p).

It is respectfully requested that this Information Disclosure Statement be considered.

Please charge any shortage in fees due in connection with the filing of this paper, or credit any overpayment of fees, to the deposit account of Antonelli, Terry, Stout & Kraus, LLP, Deposit Account No. 01-2135 (503.36984X00).

Respectfully submitted,

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Attachments